



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

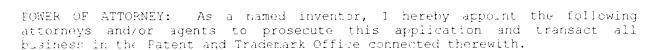
As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

INTEGRATED QUANTUM COLD POINT COOLERS

the specification of which (check one)
\underline{X} is attached hereto.
was filed onas Application Serial Noand was amended on(if applicable)
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365'b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, any foreign application for patent inventor's or plant breeder's rights certificate(s) or any PCT international application having a filing date before that of the application on which priority is claimed:
Prior Foreign Application(s): Priority Claimed
Certified Copy Attached?
Yes No



John W. Henderson, Jr., Reg. No. 26,907; Thomas E. Tyson, Reg. No. 28,543; James H. Barksdale, Jr., Reg. No. 24,091; Casimer K. Salys, Reg. No. 28,900; Robert M. Carvell, Reg. No. 28,499; Douglas H. Lefeve, Reg. No. 26,193; Jeffrey S. LaBaw, Reg. No. 31,633; David A. Mims, Jr., Reg. 32,708; Anthony V. England, Reg. No. 35,129; Leslie A. Van Leeuwen, Reg. No. 42,196; Dhristopher A. Hughes, Reg. No. 26,914; John E. Hoel, Reg. No. 26,279; Joseph J. Redmond, Jr., Reg. No. 18,733; Marilyn S. Dawkins, Reg. No. 31,140; Mark E. McBurney, Leg. No. 33,114; Cynthia S. Byrd, Reg. No. 39,365; Stanley B. Green, Reg. No. 24,351; Duke W. Yee, Reg. No. 34,231; Colin P. Cahoon, Reg. No. 38,836; Stephen R. Loe, Reg. No. 43,757; Stephen J. Walder, Jr., Reg. No. 41,534; Stephen R. Tkats, Reg. No. 46,430; Christopher P. O'Hagan, Reg. No. 46,966; Lisa L.B. Yociss, Reg. No. 36,975; Michael Nichols, Reg. No. 46,959; Patrick Holmes, Reg. No. 46,380; and Betty G. Formby, Reg. No. 36,536.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SCLE OF FIRST INVENTOR: Uttam Shyamalindu Ghoshal

INVENTORS SIGNATURE: Uttam Shyamalindu Ghorlad DATE: November 30, 2001

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CITIZENSHIP: United States

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